DEPARTMENT of ENVIRONMENT and NATURAL RESOURCES

Page 8 Mining Program - Oil & Gas Section RECEIVED Minerals & Mining Program - Oil & Gas Section \$250 West Main, Suite #1, Rapid City, SD 57702-2493 Telephone: 605-394-2229, FAX: 605-394-5317

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FORM 2

DEPT OF ENVIRONMENT & NATURAL RESOURCES - RAPID CITY

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Type of Work: X Dril New Well Reents Well Drill Directional Well X Oil Well Gas Well Injection Other Other Telephone							,
Name and Address of Operator LUFF EXPLORATION COMPANY, 1580 LINCOLN STREET, SUITE 850, DENVER, CO 80203 Telephone (303) 861-2468							
Name and Address of Surface Owner Greg & Heidi Miller, 10151 U.S. Highway 85, Bowman, ND 58623							
Name and Address of Drilling Contractor and Rig Number: Ensign Drilling Inc., 1700 Broadway, Suite 777, Denver, CO, 80290, Rig 24							
Surface Location of Well: Qtr-Qtr, Sec, Twp, Rge, County, Feet from Nearest Lines of section, and latitude and longitude (if available): NENE, Section 27-T23N-R6E, Harding Cty, 1305' FNL x 945' FEL, Lat:45° 55' 55.829", Long:-103° 21' 34.980"							
If Directional, top of pay and bottom hole location from nearest lines of section: Northwest Lateral: Top of pay est @ 9,353' MD = 9,080' TVD; BHL = 530' FNL & 2,400'FWL Sec 22-T23N-R6E							
Acres in Spacing (I Total Unitized a	Drilling) Unit area: approx. ± 4836 acres		Description of Spacing Unit Pete's Creek Red River Unit				
Well Name and Number		Elevation	Field and Pool, or Wildcat		Proposed Depth and Formation		
PCRRU A-27H		2,889' Gr 2,910' KB	Pete's Cr Red Rive	eek Red River Unit 13,521' MD, 9,080' TVD rB Red River B		VD	
Size of Hole Size of Casing		Weight per Foot	Depth	Cementing Program (ame			\dashv
1) 13-1/2"	9-5/8"	36#	2,000'	435 sks Lite Tailed w/ 20		Depth Surface	=
2) 8-3/4"	7"	23#, 26#, 29#	9,353' MD	1			´
3)	ľ	20,, 20, 25	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2nd Stage = 140 sks Lite			
4) 6-1/8"	None	}	13,521'MD			,	
Describe Proposed Operations (Clearly State all Pertinent Details, and Give Pertinent Dates, Including Estimated Date of Starting any Proposed Work). Use Additional Page(s) if appropriate. Drill a medium radius horizontal well in the Red River "B" formation. Drill 13-1/2" surface hole to 2,000' with fresh water. Run 9-5/8" casing and							
cement to surface. Drill 8-3/4" vertical hole to KOP at approximate 8,602'. Drill build section with an azimuth of approximately 335 degrees and land in the top of the Red River "B" zone at 9,353' MD = 9,080' TVD with a BHL 434' north and 200' west of surface location. Vertical and build sections to be drilled with invert oil mud. Run 7" casing and cement to 4,200'. Drill one 6-1/8" horizontal lateral in the Red River "B" zone to approximately							
13,521' MD = 9,080' TVD at BHL approximately 530' FNL and 2,400' FWL Sec 22-T23N-R6E. Fresh water/polymer will be used for the horizontal							
section. All drilling fluids and cuttings will be contained in a pit lined with a 12 mil plastic liner. All liquids will be disposed of in an approved							
method, the liner and cuttings will be buried in place. The estimated start date for location construction is 4/1/11. Estimated start date for drilling is 4/26/11.							
I hereby certify that the foregoing as to any work or operation performed is a true and correct report of such work or operation.							
1/20		Richard George		Manager of Engineer	ing	116/2011	
Signature Name (Pr		Name (Prir	nt)	Title Date		Date	
FOR OFFICE USE ONLY							
Approved by: Title: Oil and Gas Supervise						ervisor	
Permit No. 1991 API No. 40 063 20723 Date Issued: March 30, 2011							_
Conditions, if any, on attached page.							